

**Amendments to the Specification**

Please replace the paragraph at page 7, lines 4 through 8 with the following amended paragraph:

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A1  
--Turning now to the drive mechanism of the printing system 10, the transport belt 18 wraps around a drive roller 24 and an idler roller 26, while an optical encoder wheel 28 and the thickness indicator roller 20 sits on top the belt 18. The idler roller 26 is able to move in the x-direction and through a dynamic tensioning device ~~[[29]]~~ 290 keeps the belt 18 under a constant tension during the printing process.--

[ Please replace the paragraph at page 7, lines 9 through 16 with the following amended paragraph: ]

--The drive motor 36 rotates the drive roller 24 to move the transport belt 18 and hence the substrate 32 under the print heads 17. Meanwhile, the dynamic tensioning device ~~[[29]]~~ 290 of the idler roller 26 maintains a constant tension in the belt 18 during the printing operation. The translational movement of the substrate 32 underneath the print heads 17 is monitored by the encoder wheel 28 to ensure that this movement is precisely controlled.--

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Please replace the paragraph at page 8, line 19 through page 9, line 9 with the following amended paragraph:

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A2  
--Referring now to FIGs. 4A and 4B, the rail system 14 includes a top rail 60 and a bottom rail 62. These rails are attached to a set of spacer support plates 64 by a set of screws 65 along a bottom and a top machined V-groove 66a and 66b, respectively. These grooves 66 provide a two-point contact with each of the rails 60 and 62. This two-point contact is maintained along the entire length of the rails 60 and 62. The set of support plates 64 is attached to a support beam 67 of the base 12 by a series of set screws ~~[[68]]~~ 65. The horizontal displacement, "x", of the support plates 64 with respect to the support beam ~~[[66]]~~ 67 is adjusted by a set of horizontal jack screws 70. Each horizontal jack screw 70 is associated with a bellvile washer 71 that pushes the support plates 64 away from the support beam ~~[[66]]~~ 67 to assure that

A2  
the horizontal jack screws 70 are always under tension. The vertical position, "y", of the support plates 64 is adjusted by a set of vertical jack screws 72. The vertical jack screws 72 are threaded into a block 74 that is attached to the support beam 67. The machined V-grooves 66, and the jack screws 70 and 72 enable an operator to adjust the position of the rails 60 and 62 so that the rails remain parallel in a plane and parallel to one another to within a tolerance of about  $\pm 0.0005$  inch which ensures the precise positioning of the print heads 17 relative to substrate.--

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